

WE CLAIM

1. A drilling fluid for use in high oil viscosity formations containing tar, sand and oil entrained therein, comprising:
 - a polymer in an amount from between .05% and 5% by volume;
 - a solvent in an amount from between 1% and 20% by volume; and
 - de-emulsifier in an amount from between .05% and 10% by volume.
2. The drilling fluid as set forth in claim 1, wherein said high viscosity formations comprise tar sands.
3. The drilling fluid as set forth in claim 1, wherein said de-emulsifier has enzyme activity.
4. The drilling fluid as set forth in claim 1, wherein said polymer is a polymer system.
5. The drilling fluid as set forth in claim 1, wherein said polymer system includes at least xantham gum, starch and PAC.
6. A method of recovering oil from tar sands containing tar, oil and sand, comprising:
 - providing a composition containing a polymer, solvent for solving oil and tar from said tar sands;
 - mixing compounds of said composition;

treating said tar sands with said composition to remove sand from said tar sands;

forming an emulsion with oil contained in treated tar sands where said emulsion is oil in water emulsion; and

de-emulsifying, under energized or static conditions, said emulsion to release said oil as a separate phase from said water.

7. The method as set forth in claim 6, wherein the step of de-emulsifying occurs in the absence of energy input.
8. The method as set forth in claim 6, wherein said step of treating said tar sand with said composition occurs at an elevated temperature.
9. The method as set forth in claim 6, wherein the step of treating said tar sands with said composition is effective in a temperature range of between 3°C and 23°C.
10. The method as set forth in claim 6, wherein said composition comprises drilling fluid.